

Shafts

Tapped Pilot Type



RoHS 10

- Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm).
- L Dimension Tolerance, Circularity, Straightness, Perpendicularity, Concentricity and Changes in Hardness **P.111**

Type				Material	Hardness	Surface Treatment	D Tol.	
One End Tapped	One End Stepped and Tapped	One End Threaded	One End Threaded with O.D. same as Shaft O.D.				D	g6
SFIT	SFIG	SFIN	SFIQ	SUJ2 Equivalent	Effective Hardened Depth of Induction Hardening P.112	-	12	-0.006
SSFIT	SSFIG	SSFIN	SSFIQ	SUS440C or 13C stainless			13	-0.017
PSFIT	PSFIG	PSSFIN	PSSFIQ	SUJ2 Equivalent	58HRC~ SUS440C or 13C stainless 56HRC~	Hard Chrome Plating Plating Hardness: H7750 - Plating Thickness: 5µ or More	15	-
PSSFIT	PSSFIG	PSSFIN	PSSFIQ	SUS440C or 13C stainless			16	-
							18	-
							20	-0.007
							25	-0.020
							30	-

One End Tapped Type

One End Threaded

One End Stepped and Tapped

One End Threaded with O.D. same as Shaft O.D.

*L does not include incomplete threads.

One End Tapped, One End Stepped and Tapped

Part Number	1mm Increment				Selection				Pilot Dimensions			(Y) Max.	R	C	Coarse Thread Dimension	
	Type	D	L	F	P	M Coarse (Tapped)	M Coarse (Stepped and Tapped)	N (Selection)	v Hole Diameter	ℓ Hole Depth	M				Pitch	
Tapped Type	12	25-1000			6-10	4 5 6 8	4 5 6	4	8	9	1000			4	0.7	
SFIT	13	25-1000			6-11	4 5 6 8	4 5 6 8	4 5	10	11	1000			5	0.8	
SSFIT	15	25-1000			6-13	4 5 6 8 10	4 5 6 8 10	4 5	12	13	1000			6	1.0	
PSFIT	16	30-1200			6-14	4 5 6 8 10	4 5 6 8 10	4 5 6	16	17	1200			8	1.25	
PSSFIT	18	30-1200			8-16	4 5 6 8 10 12	4 5 6 8 10 12	4 5 6	12	13	1200	0.3 or Less		10	1.5	
Stepped and Tapped Type	20	30-1200	2≤F≤Px4		8-17	4 5 6 8 10 12	4 5 6 8 10 12	5 6 8 10	16	17	1200	1.0 or Less		12	1.75	
SFIG	25	35-1200			8-22	4 5 6 8 10 12 16	4 5 6 8 10 12 16	6 8 10 12	20	21	1200			16	2.0	
SSFIG	25	35-1200			9-27	6 8 10 12 16 20 24	6 8 10 12 16 20 24	6 8 10 12			1500			20	2.5	
PSFIG	30	35-1500						6 8 10 12						24	3.0	
PSSFIG	30	35-1500						6 8 10 12						30	3.5	

*L(Y) > Mx2.5 + 4 + ℓ + Nx1.5 + 4 is required to have effective thread length. • One End Stepped and Tapped *P dimensions require M+3≤P.

One End Threaded, One End Threaded with O.D. same as Shaft O.D.

Part Number	1mm Increment				Selection				Pilot Dimensions			(Y) Max.	R	C	
	Type	D	L	F	B (Threaded)	B (One End Threaded with O.D. same as Shaft O.D.)	P	N (Selection)	v Hole Diameter	ℓ Hole Depth					
Threaded Type	*12	25-998			(When P≤6)	5 6 8 10 12	4	4	8	9	1000				
SFIN	13	25-998			B≤F-2	5 6 8 10 12	4 5	4 5	10	11	1000				
SSFIN	15	25-998			(When P=8, 10)	5 6 8 10 12	4 5	4 5 6	12	13	1000	0.3 or Less			
PSSFIN	*16	25-1198	2≤F≤Px5		B≤F-3	5 6 8 10 12 16	4 5 6	4 5 6	12	13	1200				
SFIQ	18	25-1198			(When P≥12)	5 6 8 10 12 16	4 5 6	4 5 6	16	17	1200	1.0 or Less			
SSFIQ	*20	25-1198			B≤F-5	6 8 10 12 16 20	5 6 8 10	5 6 8 10	20	21	1200				
PSFIQ	25	25-1198			B≥Pitchx3	8 10 12 16 20 24	6 8 10 12	6 8 10 12			1500				
PSSFIQ	*30	25-1498				8 10 12 16 20 24 30	6 8 10 12	6 8 10 12							

*Overall length L requires Nx2.5 + ℓ ≤ L.

One End Tapped

Part Number	Unit Price													
	Type	D	Min. L	L51	L101	L151	L201	L301	L401	L501	L601	L801	L1001	L1201
SFIG	12	50	100	150	200	300	400	500	600	800	1000	1200	1500	
	13													
	15													
	16													
	18													
	20													
SSFIG	12													
	13													
	15													
	16													
	18													
	20													
PSFIG	12													
	13													
	15													
	16													
	18													
	20													
PSSFIG	12													
	13													
	15													
	16													
	18													
	20													

One End Stepped and Tapped

Part Number	Unit Price													
	Type	D	Min. L	L51	L101	L151	L201	L301	L401	L501	L601	L801	L1001	L1201
SFIG	12	50	100	150	200	300	400	500	600	800	1000	1200	1500	
	13													
	15													
	16													
	18													
	20													
SSFIG	12													
	13													
	15													
	16													
	18													
	20													
PSFIG	12													
	13													
	15													
	16													
	18													
	20													
PSSFIG	12													
	13													
	15													
	16													
	18													
	20													